Receiving Report Date: Dart P/O: Supplier: Release Note Attached: Waybill Attached: Yes Packing Slip: Yes No Invoice: Yes No Yes Shipment Complete: QC6 Inspection No Receipt: Cash N/A N/A N/A 7 Work Order Discrepancies Quantity Quantity Quantity Quantity Part Comments Description Received Returned Short Ordered Number Initials of receiver (if shipment OK) Level 1/2 Production/Admin: Location Date Received/Costing Initial

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Purchase Order Receipt Listing

Tuesday, December 18, 2012 2:37:18 PM

All amounts are calculated in domestic currency.

All Vendors PO ID PO18600 Receipt Dates from 12/18/2012 to 12/18/2012 All Line Item Types All Item ID/GL/WOs All Rec. Employees All Currencies Grouped by Vendor ID

Book Amt	\$226.44		\$931.93		\$595.79		\$1,383.34		\$937.96		\$334.12	
MRB Reject Qty	0		0	0	0	0	0	0	0	0	0	0
Inspected Qty/ Rejected Qty (PO U/M)	0:0000	00000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cost Per Unit/ Recv Value	\$18.87	\$226.44	\$77.40	\$931.93	\$49.48	\$595.79	\$108.50	\$1,383.34	\$117.25	\$937.96	\$41.77	\$334.12
Recv Qty (PO U/M)	12.0000		12.0400		12.0400		12.7500		8.0000		8.0000	
Required Date Recv Required Qty Date/ Recv Emp	12/17/2012 12/18/2012	12.0000 DESJ02	12/17/2012 12/18/2012	12.0400 DESJ02	12/17/2012 12/18/2012	12.0400 DESJ02	12/17/2012 12/18/2012	12.0400 DESJ02	12/17/2012 12/18/2012	8.0000 DESJ02	12/17/2012 12/18/2012	8.0000 DES102
PO U/M / Stock U/M	Thyssenkrupp Materials CA Ltd :500X1.5 f	R 1.500 f	.500X8.5 f	R 1.500′ f	.750X04. f	R 1.750" f	.000X7.5 f	R 3.000' f	.000X4.5 f	R 4.000' f	.000X1.0 f	R 6.000" f
Project ID Reference/ Description/ Cert Std	VC-COP001 Thyssenkr	00 7075 T6 BAR 1.500 f x 1.500 124030	M7075T6B1.500X8.5 f	7075-T6 BAR 1.500' X 8.500" 124030	M7075T6B1.750X04. f	7075-T6 BAR 1.750" f X 4.500" 124030	M7075T6B3.000X7.5 f 00	7075-T6 BAR 3.000' X 7.500" 124030	M7075T6B4.000X4.5 f 00	7075-T6 BAR 4.000' X 4.500" 124030	M7075T6B6.000X1.0 f 00	7075-T6 BAR 6.000" f X 1.000"
Line Nbr/ Insp Req	endor Name 1		2	No	8	No	4	N	'n	N N	9	No V
Purchase Order ID/ Curr Type	VendorID\Vendor Name PO18600	CAD										

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Book Amt	\$1,191.58		\$2,813.89	
MRB Qty/ MRB Reject Qty	0	0	0	0
Inspected Qty/ Rejected Qty (PO U/M)	0.0000	0.0000	0.0000	0.0000
Cost Per Unit/ Recv Value	\$198.60	\$1,191.58	\$77.90	\$2,813.89
Recv Qty (PO U/M)	9.0000		36.1200	
Required Date Recv Required Qty Date/ Recv Emp	12/17/2012 12/18/2012	6.0000 DESJ02	12/17/2012 12/18/2012	36.1200 DESJ02
PO U/M / stock U/M	OP001 Thyssenkrupp Materials CA Ltd M7075T6B6.000X6.0 f	7075-T6 BAR 6.000' f X 6.000" 124030	M7075T6B7.000X2.0 f 00	7075-T6 BAR 7.000" f X 2.000" 124030
Project ID Reference/ Description Cert Std	VC-C	7075-T6 X 6.000 124030	M70 00	7075-Tr X 2.000 124030
Line Nbr/ Insp Req	dor Nam	No	∞	No
Purchase Order ID/ Curr Type	VendorID\Vendor Name PO18600 7	CAD		:

106.9500 0.0000 0.0000 \$8,415.06 0.0000

Total Received Quantity:
Total Qty to Inspect (PO U/M):
Total Reject Quantity:
Total Receipt Value:

Total Balance Due Quantity:

PEC 799838 No:LADING Ship Date 14Dec12 at 14:14 From PFW Probill THYSSENKRUPP MATERIALS NA Via VIM TRANSFER 2821 LANGSTAFF ROAD CONCORD, ONTARIO L4K 5C6 Tel: 905 669 9444 Fax: 905-738-9033 CONCORD FOB Frt PREPAID
Route 0- 0 Manifest Vhcle Slp STAN IVERS (905-532-1350) Sold To: (20115) Ship To: (DART AEROSPACE DART AEROSPACE 1270 ABERDEEN ST 1270 ABERDEEN ST HAWKESBURY, ON K6A 1K7 HAWKESBURY, ON K6A 1K7 Tel: 613-632-9577 Fax: 613-632-1053 BILL OF LADING 1) Our Order PEC-517690- 1 Your PO # 18600 Part # 4-6 DAYS ALL 7075 ALUMINUM SQUARE BAR 7075-T651 QQ-A-225/9 1.50" X 144.0000" Heat Number Tag No Quantity PCS MA012003015 545244 12 FT 1 . _ _ _ _ _ _ _ _ _ _ _ _ _ _ 2) Our Order PEC-517690- 2 Your PO # 18600 Part # QQ-A-250/12 PLATE Rel # ALUMINUM PLATE 7075-T651 1.50" THICK X 8.5000" X 144.5000" Wt LBS ______ 3) Our Order PEC-517690- 3 Your PO # 18600 Rel # Part # QQ-A-250/12 PLATE ALUMINUM PLATE 7075-T651 1.750" THICK X 4.5000" X 144.5000" Wt LBS Quantity PCS.

4.52 SFT 1 Heat Number Tag No 270661 545606 120 545606 270661 4) Our Order PEC-517690- 4 Your PO # 18600 Part # QQ-A-250/12 PLATE Rel # ALUMINUM PLATE 7075-T651 3.00" THICK X 7.5000" X 153.0000" Wt LBS Quantity Heat Number Tag No 7.97 SFT 348 324111 545585 Page: 1Continued

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÉTRE RAPPORTÉES IMMÉDIATEMENT. ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.

MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

Ship From: THYSSENKRUPP MATERIALS	NA 5C6	9033	Snip Probi Via FOB Frt Route Vhcle Slp Sold DART	Date 14Dec12 11 VIM TRANSFE CONCORD PREPAID 0- 0 Man STAN IVERS To: (2011 AEROSPACE	ifest Trail (905-53	er 2-1350)	8 PFW
В 1	LL O						
5) Our Order PEC-517690 Part # QQ-A-250/12 PLA ALUMINUM PLATE 7075-T69 4.00" THICK X 4.5000" X)- 5 Your ATE 51 K 96.0000"	PO #	18600 Rel #			Wt	TDC
ALUMINUM PLATE 7075-T69 4.00" THICK X 4.5000" X Heat Numl 324091	Der Tag 545	No 853	· · · · · · · · · · · · · · · · · · ·	Quantity 3.00 SFT	1 L	, WL	182
6) Our Order PEC-51769 Part # QQ-A-250/12 PL ALUMINUM PLATE 7075-T6	0- 6 Your ATE 51	PO #	18600				
1.00" THICK X 6.0000" Heat Num 212034	ber Tag	No 608		Vuantity 4.00 SFT	PCS 1	Wt	LBS 63
7) Our Order PEC-51769 Part # QQ-A-250/12 PL ALUMINUM PLATE 7075-T6 6.00" THICK X 6.0000" Heat Num	 0_ 7 Your ATE 51	PO #	18600 Rel #	Quantity 3.00 SFT	PCS 1	Wt	LBS 262
8) Our Order PEC-51769 Part # QQ-A-250/12 PL ALUMINUM PLATE 7075-T6 2.00" THICK X 7.0000" Heat Num 276151	ATE 51 X 144.5000 ber Tac		18600 Rel #	Quantity 21.07 SFT	PCS 1	Cultural Wt	LBS 641
			TOTA	Tags L: 8	PCS 10	_,	LBS L845
Heat Number *** MA012003015	Chemical	Analys	sis ***		<i>,</i>	1	
						11/12	,
Page: 2Contir	ued				/ / / / / / / / / / / / / / / / / / /	1/2/1	
TOUTES ERREURS ET/OU MARCHANDISE RAPPORTÉES IMMÉE ERRORS OR SHORTAGE MUST BE RETOUR DE MARCHANDISES AVEC NOTRE NU MERCHANDISE MAY NOT BE RETURNED W	DIATEMENT. REPORTED IMMEDI. MERO D'APPROBAT	ATELY ION SEULEN	ИENT.				

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

DATE

PEC 799838 No:LADING BILL OFShip Date 14Dec12 at 14:14 From PFW Ship From: Probill THYSSENKRUPP MATERIALS NA VIM TRANSFER Via 2821 LANGSTAFF ROAD CONCORD FOB CONCORD, ONTARIO L4K 5C6 PREPAID Frt Tel: 905 669 9444 Fax: 905-738-9033 0- 0 Manifest Route Trailer Vhcle STAN IVERS (905-532-1350) Slp (20115)Sold To: Ship To: DART AEROSPACE DART AEROSPACE O F LADING BILLL MILL TEST REPORTS, PACKING SLIPS ARE TO SENT WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR TO SHIPPING. ATTN: CHANTAL/LINDA ** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER ** ** REFERENCED ON IT ** TOTAL 1 TUBE, 4 SKIDS G.W. 1941 LBS ITEM (1) TUBE ITEMS (2,3,6,8) SKID ITEM (4) SKID ITEM (5) SKID ITEM (7) SKID

Page: 3 Last

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.
ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY
RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

Certified Inspection Report

Ship To

Copper Brass Sales

Santa Fe Springs, CA 906 13338 Orden Dr. Building Copper Brass Sales

5400146469 Customer P.O. No.

Customer

06/30/12 00:25:14

Customer Part No. (ALSQ00010)

> Alcoa-Inc. Massena Operations

Park Avenue East, Massena, NY 13662
Alcoa Order No. Govt. Co Govt. Contract No.

MMC-A3532- -010 inspected in accordance with, and has

material met the composition limits and have the mechanical properties shown on the face of this sheet part of the description, or as previously agreed to with customer and that samples representative of the been found to meet the applicable requirements described herein, including any specifications forming a Manufactured under an ISO/TS 16949 registered quality management system We hereby certify that the material covered in this report has been Melted and manufactured in the USA.

Product CFRB-CF SQ. Shape SQ Config Specific Length 12 FT QRR BOL 000160411

Specifications:

Alloy - Temper Date Shipped

06/29/12 7075-T651

Weight Shipped

Size

1.50000 IN 724 lbs

AMS 4123H (Except Marking) QQA-2259E AMS-QQA-2259E ASTM B211-12

conforms to T6 requirements

Product produced and marked to the requirements of AMS-QQ-A-225/9 also meets the requirements of QQ-A-225/9. Product produced and marked to the requirements of QQ-A-225/9 also meets the requirements of AMS-QQ-A-225/9.

- CC564 T- 1 - 1 - 1 - 1												
	Test	Test	Test	Test	Test	Test	Test	Test	 -	Test	lest	
TEST REQUIREMENTS	U.T.S.	T.Y.S.	%Elong									
Max	77.0	660	070								-	
Min	77.0	00.0	01.0									
			-	7	Toot	Toet	Test	Test		lest	Test	8
Test Results	Test	Test	lest	1est	iest	1691	1001					l
No. of	U.T.S.	T.Y.S.	%Elong					,				/
MANAGEMENT AND MAX:	81.9	74.5	15.5	:								ર
	81.9	74.5	15.5									 //.
TEST ABBREVIATIONS		T.Y.S.		Tensile Yield Strength KSI	KSI		%	%Elong Elongation % in 2"	yngation % i	n 2"		
C. I.o. Clarifold Composition limit	s (in Weight %)											· /
Alliminal Association Charmes Composition						2	-		2			3
%SI	%FE %	%CU %MN	%MG	%CR	%ZN		ers	%Ulners	%AL			4 89
MAX 040	0.50 2.0	0.30	2.9	0.28	6.1	0.20	0.05		Rem			7
	3		3	2 18	<u>σ</u>			Total				5

ALLOY 7075

Z Z MAX

2.0 1.2 %CU

2.9 2.1 %MG

0.28 0.18

6.1 5.1 %ZN

0.05 Each

Total 0.15 %Ourers

Actual Started Chemistry														
	_	80	%EE	%CU	%MN	%MG	%CR	NZ%	%TI	%OE	%OT	%AL		
マススつく		7001	3	,000			,)	200	300	7 2 4 5	Dom		
	MAX	0.05	0.74	1.7	0.01	2.5	0.79	5.0	0.02	L1 0.00	F. 9.70	Velli		
## A C A C C C C C C C C C C C C C C C C		0.05	0.14	1.7	0.01	2.5	0.19	5.8	0.02					
MIMO 1 20000 10				-										

NOTES:

"Mescury is not a normal contaminant in aluminum alloys and neither it nor any of its compounds are used in the manufacture of our product.

*This alloy meets the requirements of EU 2002/95/EC (RoHS) and EU 2000/53/EC for lead, mercury, cadmium and hexavalent chromium.

From: ThyssenKrupp Materials NA

THYSSENKRUPP MATERIALS NA -ECAD Del:

2402198350

Cust.

Part:

33.000 LB

WCC:

PO: Date PEC# 244320 12/06/2012

CERTIFIED INSPECTION REPORT We hereby certify that the material covered by this certificate has been inspected with, and has been found to meet the applicable requirements described therein, including any specifications forming a part of the description and that samples representative of the material met the composition limits and had the mechanical properties shown on the face of this sheet.

Alcoa Inc.

DAVENPORT WORKS 4879 State Street Bettendorf, IA 52722

Ship From:

RIVERDALE, IA.

Invoice No. Alcoa No. Item 1000422242-2 DP-22242-2

Customer Alcoa Item 00000 G041005056R07

This test report shall not be reproduced except in full, without the written approval of the Quality Department. No alteration, addition or other change is authorized to be made to this certificate. The recording of talse, fictitious, or otherwise fraudulent P.O. No./Govt Contract No. 5400156031 Ln#: 0020

C&B

2012-10-25 1447854 Ship Date

B.L. No. 7456521

statements or entries on this certificate by any recipient may be punished as a felony under applicable law.

Per:

Page

of 2

Terrence Thom Quality Assurance Manager

Ship To: COPPER & BRASS SALES INC 1015 SAINT JEROME ST. MISHAWAKA 46544 IN

Rob Woodall
Director of Manufacturing Davenport Works

Rod d. Woodall

Item Description
1.53 IN TK (+.094 -0.00) X 60.5 IN W (+.375 0.000) X 144.5 IN IN (+.5 -0.0) (N) A/T 7075T651 RECTANGULAR MILL FINISH, SAWED. EXC TK TL AMS-(250/12 IS 2007 EXC MRK, TK TL AMS4045 REV K EXC MRK, GROSS SKID WGT: 5000 LB QUAN TOL +/-30 % CQR 0131000 REV 10 CUST REQ 12-10-24 *** W/E 12-10-27 *** TK TL ASTMB209 REV 10 INTERLEAVED MAX ((MARKED)) KRAFT PAPER AMS-QQ-A-

DAS 14 2.89 12/12/19

		6	8422		
		111111111111111111111111111111111111111	!!!!!!!!		1
47348	PC	ω	4212	642381	61909
47348	PC	ω	4210	642381	71000
			1 1 1		ackade Ticker
Inspector Clock Numbers	MOM	Quantity	Weight		1 1 1 2 2 2 2 1 2 1 2 1 2 1 2 1 2 1 2 1

Num

44 Pa

Notes for CQR: 0131000.10

PRODUCT PRODUCED AND MARKED TO THE REQUIREMENTS OF AMS-QQ- A-250/12 ALSO MEETS THE REQUIREMENTS OF QQ-A-250/12F. PRODUCED AND MARKED TO THE REQUIREMENTS OF QQ-A-250/12 F ALSO MEETS THE REQUIREMENTS OF AMS-QQ-A-250/12.

CQR: 0131000.10 -Specification Limits

L	PCT	KSI 67.0	KSI 77.0	Max Min	isv.	Trar	Dir Long Transv.
1	EL4D	TYS	STU				

From: ThyssenKrupp Materials NA

Cust. THYSSENKRUPP MATERIALS NA - ECAD Del: 2402201945

Part: 196.000 LB

PO: PEC# 244320

Date

12/11/2012

This test report shall not be reproduced except in full, without the written approval of the Quality Department. No alteration, addition or other change is authorized to be made to this certificate. The recording of false, fictibus, or otherwise fraudulent satements or entries on this certificate by any recipient may be punished as a felony under applicable law.

Alcoa Inc.

1447854 Ship Date 2012-10-25

0 B.L. No. 7456521

DAVENPORT WORKS 4879 State Street Bettendorf, IA 52722

Ship From:

RIVERDALE, IA.

1000422242-2 Alcoa No. Item

DP-22242-2

00000 Invoice No.

P.O. No./Govt Contract No. 5400156031 Ln#: 0020 Customer Alcoa Item

C&B G041005056R07

Alloy 7075 Lot: 642381 Chemical Composition CQR: 0131000.10 -Specification Limits (cont.) Rob Woodall

Director of Manufacturing Davenport Works Rod of Wooded Long Transv. Mechanical, Test No-> Physical, SI FE CU MN MG CR ZN TI Each 0.40 0.50 2.0 0.30 2.9 0.28 6.1 0.20 0.05 1.2 2.1 0.18 5.1 UTS KSI 84.4 84.6 84.6 , Metallography, Quantometer Results --Quality Assurance Manage TYS KSI 75.9 75.2 75.9 Terrence Thom EL4D PCT 11.7 11.2 11.2 Page 2 of 2 Other Other 0.15 Total Aluminum

DAS 12/12/19

This material was melted in the United States or a Qualifying Country [REF DFARS 225.872.1(a)]; it was manufactured in the United States

Tmpr T651

Cast Number H9043132

Actuals Chemical - OES

0.06

FE CU 0.27 1.6

0.01

MG 2.5

CR 0.19

5.8

0.02

Del: 2402201945

From: ThyssenKrupp Materials NA

Cust. THYSSENKRUPP MATERIALS NA - ECAD

196.000 LB

Wgt:

Part:

Date PO: 12/11/2012 PEC# 244320







IFIED TEST REPORT

Constellium Rolled Products Ravenswood, LLC



COPPER & BRASS-TMX DIVISION 5450 E. HOME FRESNO

CA

93727



COPPER & BRASS SALES P.O. BOX 5116 SOUTHFIELD MI

48086

7							
COPPER&BR	9	61802	4075	IN	CLUSION	SERIAL#	#: 20120626961802 PAGE 1 OF 3
CUSTOMER PURCHASE		NO. & ITEM			Constellium ORDE	R NO.	CERTIFICATION
540013975	5				050-868	3275	"Constellium Rolled Products, hereby certifies that metal
ALLOY	CLAD.	TEMPER	GAUG	E .	WIDTH	LENGTH	shipped under this order has been inspected and found in
7075	00	T651	1.7	8000	60.500	144.500	conformance with the requirements of the applicable
ITEM ORDERED		-					specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard
MOLD PLAT							General Terms and Conditions of Sales. Test reports are
SPEC PLAT	Έ, 🥸	SAWED	MILL				on file, subject to examination."
CUSTOMER SPECIFICA							Constellium Rolled Products Rayenswood, LLC
AMS-QQ-A-	250	/12					Rt 2 South, Century Road
PART NUMBER			B/L NUMBER			DATE SHIPPED	RAVENSWOOD, WV 26164 USA
ALFLR0099	6			9618	00	06/28/12	Kodney Felt
WEIGHT SHIPPED	NO.	OF PIECES	GOVT. C	ONTRACT	NO.		7,000,70.,
9,90	0		6				Rodney J. Fatt - Laboratory Manager
			IN TIMANTE OTO	EMOTHY	e i	VIELD STRENGTH K	(S) FLONGATION % COND % IACS

NAME DIRECTION TEST\$ MIN. MAX. M	NUMBER DIRECTION TESTS MIN. MAX	LOT	TEST	NO. OF	ULTIMATE	STRENGTH K.S.I.	YIEL	D STRENGTH K.S.I.	ELONGA	TION %	CUND	& IACS
All material contained in lot 270651 was cast and manufactured in the USA. 270661 LT 2 ***** T651 2 ****** All material contained in lot 270661 was cast and manufactured in the USA. All material contained in lot 270661 was cast and manufactured in the USA. ALL LOTS ON THIS CERTIFICATION ALSO CONFORM TO THE FOLLOWING REQUIREMENTS AMS 4045K AND ASTM B209-10 ThyssenKrupp Materials N.A Inc. Copper and Brass Sales Division sold to: Customer: P.O.#: Part 4 244 200 200 963 QTY: (p	All material contained in lot 270651 was cast and manufactured in the USA. 270661 LT 2**** T651 2 80.8 81.6 70.6 72.1 13.5 13.5 All material contained in lot 270661 was cast and manufactured in the USA. ALL LOTS ON THIS CERTIFICATION ALSO CONFORM TO THE FOLLOWING REQUIREMENTS AMS 4045K AND ASTM B209-10 ThyssenKrupp Materials N.A Inc. Copper and Brass Sales Division sold to: Customer: P.O#: P.W. D.W. Date: Division sold to: Customer: P.O#: P.W. D.W. Date: Division sold to: Customer: P.O#: P.W. D.W. Date: Division sold to: Customer: P.O.W. Date: Division sold to: Customer: P.O.W. Date:		DIRECTION	TESTS	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN	MAX
270661 LT	270661 LT 2 80.8 81.6 70.6 72.1 ***** All material contained in lot 270661 was cast and manufactured in the USA. ALL LOTS ON THIS CERTIFICATION ALSO CONFORM TO THE FOLLOWING REQUIREMENTS AMS 4045K AND ASTM B209-10 ThyssenKrupp Materials N.A Inc. Copper and Brass Sales Division sold to: Customer: P.O#: 7 42 4 24 20 20 20 9 3 QTY: (p Date: 12 11 ()) CHALLOY SILICON IRON COPPER MANDANESE MAGNESIUM CHROMIUM ZINC TITANIUM OTHERS SEE ACTUAL CHEMICAL COMPOSITION	270651	LT	2	79.6	81.2	69.4	4 70.8	12.5	13.5		
All material contained in lot 270661 was cast and manufactured in the USA. ALL LOTS ON THIS CERTIFICATION ALSO CONFORM TO THE FOLLOWING REQUIREMENTS AMS 4045K AND ASTM B209-10 ThyssenKrupp Materials N.A Inc. Copper and Brass Sales Division sold to: Customer: P.O#: P.	All material contained in lot 270661 was cast and manufactured in the USA. ALL LOTS ON THIS CERTIFICATION ALSO CONFORM TO THE FOLLOWING REQUIREMENTS AMS 4045K AND ASTM B209-10 ThyssenKrupp Materials N.A Inc. Copper and Brass Sales Division sold to: Customer: P.O#: 7 25 4 24 320 20093 CBS Delivery #: 2 40 20093 QTY: (p By: Date: 12 (1) ALLOY SILICON IRON COPPER MANGANESE MAGNESIUM CHROMIUM ZINC TITANIUM OTHERS SEE ACTUAL CHEMICAL COMPOSITION	All m	ateri	1 c	ntaine	d in lot	270651	was cast	and manuf	actured	in the	USA.
ALL LOTS ON THIS CERTIFICATION ALSO CONFORM TO THE FOLLOWING REQUIREMENTS AMS 4045K AND ASTM B209-10 ThyssenKrupp Materials N.A Inc. Copper and Brass Sales Division sold to: Customer: P.O#: P-C# D-W D-DOC 963 QTY: (p By: Date: 10 (1) MIN MAX	ALL LOTS ON THIS CERTIFICATION ALSO CONFORM TO THE FOLLOWING REQUIREMENTS AMS 4045K AND ASTM B209-10 ThyssenKrupp Materials N.A Inc. Copper and Brass Sales Division sold to: Customer: P.O#: PECH D44 BBO CBS Delivery #: D 40 PBO 98 BY: BY: BY: BY: MIN. MAX. MIN. MA	270661		1	**** T 80.8	651 81.6	70.	6 72.1	**** 13.5	13.5		
AMS 4045K AND ASTM B209-10 ThyssenKrupp Materials N.A Inc. Copper and Brass Sales Division sold to: Customer: P.O#: PECH D44 B20 CBS Delivery #: D 40 22019 B3 QTY: (p By: ALLOY MIN. MAX. MIN. M	AMS 4045K AND ASTM B209-10 ThyssenKrupp Materials N.A Inc. Copper and Brass Sales Division sold to: Customer: P.O#: Pac H 24 320 CBS Delivery #: 2 40 2001983 QTY: {p} By: Date: 12 [1] ThyssenKrupp Materials N.A Inc. Copper and Brass Sales Division sold to: Customer: P.O#: Pac H 24 320 CBS Delivery #: 2 40 2001983 Date: 12 [1] SEE ACTUAL CHEMICAL COMPOSITION THANK MAX MIN. MA	All m	ateri	1 c	ntaine	d in lot	270661	was cast	and manuf	actured	in the	USA.
ThyssenKrupp Materials N.A Inc. Copper and Brass Sales Division sold to: Customer: P.O#: PECHDUTE DOCUMENT TO THE PROPERT OF T	ThyssenKrupp Materials N.A Inc. Copper and Brass Sales Division sold to: Customer: P.O#: Part 320 CBS Delivery #: 2 40 22019 83 QTY: Part 1016 By: Part 1016 MIN. MAX.	ALL 1	OTS 0	TH:	S CERT	IFICATIO	N ALSO	CONFORM T	O THE FOLL	OWING RE	QUIREM	ENTS
SILICON IRON COPPER MANGANESE MINISTRUCTURE SILICON SILICON IRON MAX. MIN. M	SEE ACTUAL CHEMICAL COMPOSITION COMMINITED SECURITY STREET STATES STREET STREE			AMS				Thysse Copper Custon P.O#: CBS De QTY: (and Brass Sale ner: PECH DYY ellivery #: DY2	B Division s B みの P P O (タロラ Date:	12/11/12	
SEE ACTUAL CHEMICAL COMPOSITION	SEE ACTUAL CHEMICAL COMPOSITION	C ALLOY	SILICON									
		SEE A					N		MIN. MAX.	IIN. MAX. N	AIN. MAX.	MAX. MAX.



CERTIFIED TEST REPORT

Constellium Rolled Products Ravenswood, LLC



COPPER & BRASS-TMX DIVISION 5450 E. HOME **FRESNO**

CA

93727



COPPER & BRASS SALES P.O. BOX 5116 MI SOUTHFIELD

48086

SERIAL#: 20120626961802 PAGE 2 OF 3 INCLUSION 961802 4075 COPPER&BR Constellium ORDER NO. CUSTOMER PURCHASE ORDER NO. & ITEM CERTIFICATION *Constellium Rolled Products, hereby certifies that metal 050-868275 5400139755 shipped under this order has been inspected and found in LENGTH TEMPER GAUGE WIDTH ALLOY conformance with the requirements of the applicable .78000 60.500 144.500 00 T651 7075 specifications as indicated herein. Any warranty is limited TEM ORDERED to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are MOLD PLATE-DIST GE on file, subject to examination." SPEC PLATE, SAWED MILL Constellium Rolled Products Ravenswood, LLC
Rt 2 South, Century Road
P.O. BOX 68
RAVENSWOOD, WV 26164 USA AMS-QQ-A-250/12 PART NUMBER B/L NUMBER DATE SHIPPED 961800 06/28/12 ALFLR00996 GOVT. CONTRACT NO. NO. OF PIECES WEIGHT SHIPPED - Laboratory Ma 9.900

ACTUAL CHEMICAL COMPOSITION		LOT		TEST	NO. C)E	ULT	MATE S	TRE	NGTH	ı K.S.I.			YIELD :	STREN	IGTH I	K.S.I.		ELONG	ATION			OND	% IA	cs
270651 C SI = 0.04 FE = 0.12 CU = 1.37 MN = 0.03 MG = 2.47 CR = 0.20 ZN = 5.42 TI = 0.02 ZR = 0.01 OTHERS-EACH: .05 MAX. OTHERS TOTAL: .15 MAX. AL REMAINDER C SI = 0.04 FE = 0.12 CU = 1.37 MN = 0.03 MG = 2.47 CR = 0.20 ZN = 5.42 TI = 0.02 ZR = 0.01 OTHERS-EACH: .05 MAX. OTHERS TOTAL: .15 MAX. AL REMAINDER OTHERS TOTAL: .15 MAX. AL REMAINDER	Νl	JMBER	DIF	ECTION	TEST	rs	M	N.			MAX.		N	AIN.			MAX.		MIN.		MAX.	P	IIN_	MAX	
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9,900

NO. OF PIECES



CERTIFIED TEST REPORT

Constellium Rolled Products Ravenswood, LLC



COPPER & BRASS-TMX DIVISION 5450 E. HOME **FRESNO**

CA

COPPER & BRASS SALES P.O. BOX 5116 SOUTHFIELD MI

48086

COPPER&BR 961802 4075
CUSTOMER PURCHASE ORDER NO. & ITEM INCLUSION SERIAL#: 20120626961802 PAGE 3 OF Constellium ORDER NO. 5400139755 050-868275 CLAD. TEMPER GAUGE 7075 00 T651 1.78000 60.500 144.500 TEM ORDERED MOLD PLATE-DIST GE SPEC PLATE, SAWED CUSTOMER SPECIFICATION MILL AMS-QQ-A-250/12 PART NUMBER B/L NUMBER DATE SHIPPED ALFLR00996 WEIGHT SHIPPED 961800 GOVT. CONTRACT NO. 06/28/12

6

CERTIFICATION "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination."

Constellium Rolled Products Ravenswood, LLC
Rt 2 South, Century Road
P.O. BOX 68
RAVENSWOOD, WV 26164 USA

Rodney J. Felt - Laboratory Manage

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LC	DT	TEST	NO. OF	ULTIMATE	STRENGT	H K.S.I.	Y (ELD STR	ENGTH K.S.I.		ELONG	ATION %		COND	% IA	CS
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D.060.155						**	<u>-</u>				·····					



CERTIFIED TEST REPORT

Constellium Rolled Products Ravenswood, LLC

MI

COPPER & BRASS SALES 1015 SAINT JEROME STREET MISHAWAKA IN

COPPER & BRASS SALES P.O. BOX 5116 SOUTHFIELD

48086

46544

COPPER&BR F60502 4075 INCLUSION

SERIAL#: 20121119F60502 PAGE 1 OF 3

CUSTOMER PURCHASE ORDER NO. & ITEM Constellium ORDER NO. 5400157805 110-512727 TEMPER GAUGE WIDTH LENGTH ALLOY 73.000 153.000 7075 00 T651 3.00000 TEM ORDERED MOLD PLATE-DIST GE SPEC PLATE, SAWED MILL CUSTOMER SPECIFICATION AMS-QQ-A-250/12PART NUMBER 3/L NUMBER DATE SHIPPED ALFLR01006 F60500 11/20/12 WEIGHT SHIPPED NO. OF PIECES GOVT, CONTRACT NO. 10,635

"Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination."

CERTIFICATION

Constellium Rolled Products Ravenswood, LLC Rt 2 South, Century Road P.O. BOX 68

RAVENSWOOD, WV 26164 USA

COND % IACS YIELD STRENGTH K.S.I. **ELONGATION %** ULTIMATE STRENGTH K.S.I. LOT NUMBER TEST DIRECTION NO. OF TESTS MIN MAX MIN. MAX. 324111 T651 13.5 13.5 2 80.1 80.8 69.2 69.8 LTAll material contained in lot 324111 was cast and manufactured in the USA. ALL LOTS ON THIS CERTIFICATION ALSO CONFORM TO THE FOLLOWING REQUIREMENTS ASTM B209-10, AMS 4045K ThyssenKrupp Materials N.A Inc. Copper and Brass Sales Division sold to: Custdmer: P.O#: PEC4 244320 CBS Delivery #: \$40200 QTY: | IPC By: Date: 12 MAGNESIUM CHROMIUM ZINC TITANÍUM OTHERS SILICON IRON ALLOY MIN. MAX. MIN. MAX: MIN. MIN. MAX. MIN. MAX MAX. MIN. SEE ACTUAL CHEMICAL COMPOSITION

P-860-155D (06/11)

From: ThyssenKrupp Materials NA



CERTIFIED TEST REPORT

Constellium Rolled Products Ravenswood, LLC

COPPER & BRASS SALES 1015 SAINT JEROME STREET **MISHAWAKA** IN

COPPER & BRASS SALES P.O. BOX 5116 SOUTHFIELD MI

48086

46544

F60502 4075

INCLUSION

SERIAL#: 20121119F60502 PAGE 2 OF 3

COPPER&BR CUSTOMER PURCHASE ORDER NO. & ITEM Constellium ORDER NO. CERTIFICATION 5400157805 110-512727 "Constellium Rolled Products, hereby certifies that metal ALLOY TEMPER GAUGE WIDTH shipped under this order has been inspected and found in 7075 00 T651 3.00000 73.000 153.000 conformance with the requirements of the applicable TEM ORDERED specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard MOLD PLATE-DIST GE General Terms and Conditions of Sales. Test reports are SPEC PLATE, SAWED MILL on file, subject to examination." CUSTOMER SPECIFICATION Constellium Rolled Products Ravenswood, LLC Rt 2 South, Century Road P.O. BOX 68 RAVENSWOOD, WV 26164 USA AMS-QQ-A-250/12PART NUMBER DATE SHIPPED B/L NUMBER ALFLR01006 F60500 11/20/12 WEIGHT SHIPPED NO. OF PIECES GOVT, CONTRACT NO. 3 10,635

LOT	TEST	NO. OF	ULTIM	ATE STREN	GTH K.S.I.		YIELD	STRENGT	H K.S.I.		ELON	GATION	%	1 -		-	CS
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P-860-155D (06/11)



CERTIFIED TEST REPORT

Constellium Rolled Products Ravenswood, LLC

COPPER & BRASS SALES 1015 SAINT JEROME STREET MISHAWAKA IN 46544

COPPER & BRASS SALES P.O. BOX 5116 SOUTHFIELD

MI

48086

COPPER&BR

10,635

F60502 4075

INCLUSION

SERIAL#: 20121119F60502 PAGE

3 OF

CUSTOMER PURCHASE ORDER NO. & ITEM Constellium ORDER NO. 5400157805 110-512727 YOUR CLAD TEMPER GAUGE WIDTH LENGTH 7075 00 T651 3.00000 73.000 153.000 ITEM ORDERED MOLD PLATE-DIST GE SPEC PLATE, SAWED MILL CUSTOMER SPECIFICATION AMS-QQ-A-250/12 PART NUMBER B/L NUMBER DATE SHIPPED ALFLR01006 F60500 11/20/12 WEIGHT SHIPPED NO. OF PIECES GOVT, CONTRACT NO.

3

"Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination."

CERTIFICATION

Constellium Rolled Products Ravenswood, LLC Rt 2 South, Century Road P.O. BOX.68 RAVENSWOOD, WV 26164 USA

ULTIMATE STRENGTH K.S.I. COND % IACS YIELD STRENGTH K.S.I. **ELONGATION %** LOT NUMBER TEST DIRECTION MIN MAX MIN. MIN. THIS TEST REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WAPPROVAL OF THE LABORATORY OR AUTHORIZED QUALITY DELEGATE. WITHOUT THE WRITTEN THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE MAY BE FUNISHED AS A FELONY UNDER FEDERAL LAW. CHEMISTRY BY OES: ARKSPARK CHEMISTRIES REPORTED IN PERCENTAGE BY WEIGHT. WHEN FRACTURE TOUGHNESS TEST REQUIRED, TESTED PER ASTM E\$99. WHEN TENSILE TEST REQUIRED, TESTED PER ASTM E8, \$557. 2/12/13/1 Mark Paperwork: ALFLR01006 DUNS Number: 090570149; CAGE Code: 1YWL9 Mercury is not a normal contaminant in aluminum alloys and neither mercury nor any of its compounds were utilized in the manufacture of our product. "END OF CERTIFICATION" IRON MANGANESE COPPER MAGNESIUM CHROMIUM TITANIUM OTHERS ALLOY MIN. MAX. MAX. MIN. MAX. EACH TOTAL MAX. MAX. MIN. MAX. MIN. MAX. MIN. MAX. MIN. MAX. MIN MAX. SEE ACTUAL CHEMICAL COMPOSITION ALUMINUM REMAINDER

P-860-155D (06/11)





CERTIFIED TEST REPORT

Constellium Rolled Products Ravenswood, LLC



3 # F

7075

ITEM ORDERED

COPPER & BRASS SALES 1015 SAINT JEROME STREET MISHAWAKA IN

46544

DATE SHIPPED

11/20/12

COPPER & BRASS SALES P.O. BOX 5116 SOUTHFIELD MI

48086

 COPPER&BR
 F60501 4075
 INCLUSION

 CUSTOMER PURCHASE ORDER NO. & ITEM
 Constellium ORDER

 5400157805
 110-5127

 ALLOY
 CLAD. TEMPER
 CALIGE

Constellium ORDER NO.

110-512723

CERTIFICATION SERIAL#: 20121119F60501

CERTIFICATION CERTIFICATION Polled Braduate

"Constellium Polled Braduate

TEMPER GAUGE WIDTH LENGTH 4.00000 73.000 134.750

MOLD PLATE-DIST GE SPEC PLATE, SAWED

SPEC PLATE, SAWED MILL
CUSTOMER SPECIFICATION

00

AMS-QQ-A-250/12

PART NUMBER
ALFLR00369
F60500

WEIGHT SHIPPED NO. OF PIECES GOVT. CONTRACT NO. 8,370

CERTIFICATION

PAGE

1 OF

"Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination."

Constellium Rolled Products Ravenswood, LLC Rt 2 South, Century Road P.O. BOX 68 RAVENSWOOD, WV 26164 USA

Rodney J. Felly

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P-860-155D (ALU	MUNUM	REMAINDER								

From: ThyssenKrupp Materials NA

Cust. THYSSENKRUPP MATERIALS NA - ECAD Del: 2402202007

Part:

PC: PEC# 244320

Wgt: 182.000 LB Date

Date 12/12/2012

John Benboth





CERTIFIED TEST REPORT

Constellium Rolled Products Ravenswood, LLC

COPPER & BRASS SALES 1015 SAINT JEROME STREET MISHAWAKA ΙN

COPPER & BRASS SALES P.O. BOX 5116 SOUTHFIELD

MI

48086

46544

COPPER&BR F60501 4075 INCLUSION

SERIAL#: 20121119F60501

PAGE 2 OF

CERTIFICATION

CUSTOMER PURCHASE ORDER NO. & ITEM Constellium ORDER NO. 110-512723 5400157805 ALLOY TEMPER GAUGE WIDTH LENGTH 7075 4.00000 134.750 00 T651 73.000 TEM ORDERED MOLD PLATE-DIST GE SPEC PLATE, SAWED MILL CUSTOMER SPECIFICATION

AMS-QQ-A-250/12

PART NUMBER ALFLR00369 B/L NUMBER F60500

DATE SHIPPED 11/20/12

WEIGHT SHIPPED. GOVT. CONTRACT NO. NO. OF PIECES 2 8,370

"Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination."

Constellium Rolled Products Ravenswood, LLC Rt 2 South, Century Road P.O. BOX 68 RAVENSWOOD, WV 26164 USA

LOT	TEST	NO. 0)F	ULTIMATI	STRE	NGTH K.S	S.I.		YIELD	STR	ENGTH	K.S.I.		ELO	NGATION	%				ACS
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P-860-155D (06/11)

Part:

From: ThyssenKrupp Materials NA

Cust. THYSSENKRUPP MATERIALS NA - ECAD Del:

PO:

2402202007

Wgt: 182.000 LB

12/12/2012 Date

PEC# 244320

John Bunketh



MISHAWAKA



CERTIFIED TEST REPORT

Constellium Rolled Products Ravenswood, LLC

COPPER & BRASS SALES 1015 SAINT JEROME STREET IN

GAUGE

MILL

B/L NUMBER

4.00000

F60500

GOVT. CONTRACT NO.

COPPER & BRASS SALES P.O. BOX 5116 SOUTHFIELD MI

48086

46544

5400157805

CUSTOMER SPECIFICATION

ALFLR00369

ALLOY

7075

TEM ORDERED

PART NUMBER

WEIGHT SHIPPED

COPPER&BR F60501 4075 CUSTOMER PURCHASE ORDER NO. & ITEM

00

MOLD PLATE-DIST GE

SPEC PLATE, SAWED

AMS-QQ-A-250/12

TEMPER

T651

INCLUSION

SERIAL#: 20121119F60501 Constellium ORDER NO

LENGTH

DATE SHIPPED

11/20/12

134.750

110-512723

73.000

WIDTH

CERTIFICATION "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination."

PAGE

3 OF

Constellium Rolled Products Ravenswood, LLC Rt 2 South, Century Road P.O. BOX 68 RAVENSWOOD, WV 26164 USA

8,	370		2						*	Rodney J. Felt	- Laboratory Mar	nage			
LOT	TEST	NO. OF	ULTIMAT	E STRENG	TH K.S.I.	YIELI	STRENG	3TH K.S.I.		ELONGA	TION %			ĕ ⊥ <i>F</i>	-
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WHEN I	ENSIL	TES	T REQU	JIRED	, TES	IED PEI	R AS	TM E8	; B 5	57.					
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C ALLOY	SILICON		IRON	COP	PER I	MANGANESE	MAG	NESIUM	CHROM	IIUM	ZINC	TITAL	NIUM	ОТН	
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-860-155D (06/11)	1					ALL		- AN MADEL							

From: ThyssenKrupp Materials NA

182.000 LB

Cust. THYSSENKRUPP MATERIALS NA - ECAD 2402202007 Del:

Part: Wgt: PEC# 244320

12/12/2012 Date

John Bambetti

CERTIFIED INSPECTION REPORT

Alcoa Inc.

1427376 Ship Date

B.L. No. 7329333

2012-09-06

P.O. No./Govt Contract No.

5400151575 Ln#: 0040

C&B

G041094912R10

Customer Alcoa Item

Invoice No.

Ship From:
Alcoa No. Item
1000408477-4

DP-08477-4

DAVENPORT WORKS 4879 State Street Bettendorf, IA 52722

RIVERDALE, IA.

We hereby certify that the material covered by this certificate has been inspected with, and has been found to meet the applicable requirements described therein, including any specifications forming a part of the description and that samples representable of the material mat the composition limits and had the mechanical properties shown on the face of this sheet.

This test report shall not be reproduced except in full, without the written approval of the Quelity Department, No alteration, addition or other change is authorized to be made to this certificate. The recording of false, fictibus, or otherwise fraudulent statements or entries on this certificate by any recipient may be punished as a felony under applicable law.

Per:

Rod of Woodald

Director of Manufacturing Davenport Works

Terrence Thom

Quality Assurance Manager

Page 1 of 2

Ship To: COPPER & BRASS SALES INC 1015 SAINT JEROME ST. MISHAWAKA 46544 IN

Item Description
1.03 IN TK (+.094 -0.00) X 60.5 IN W (+.375 1.03 IN TK (+.094 -0.00) X 60.5 IN W (+.375 0.000) X 144.5 IN LN (+.5 -0.0) CAT X 090893-9 (N) A/T 7075T651 RECTANGULAR MILL FINISH, SAWED ALFLR00994. AMS-QQ-A250/12 IS 2007 EXC MRK AMS4045 REV K
EXC MRK ASTMB209 REV 10 (MARKED))
EXC MRK ASTMB209 REV 10 (MARKED))
KRAFT PAPER INTERLEAVED
MAX GROSS SKID WGT: 4500 LB QUAN TOL +/30 % CQR 0210606 REV 10 CUST REQ 12-0905 *** W/E 12-09-08 ***

	5	4	Ψ	2	1. 1	Num
	439801	439801	439793	.2 439793	439793	Package Ticket
	588502	212035	588502	212035	212034	Lot
5723	951	952	955	955	1910	Weight
6	-	<u> </u>	ш	₽.	2	Quantity
	PC	PC	PC	DG	PC	MOM
	47350	47350	47350	47350		Inspector Clock Number
			7-8			k Numbers

Notes for CQR: 0210606.10

PRODUCT PRODUCED AND MARKED TO THE REQUIREMENTS OF AMS-QQ- A-250/12 ALSO MEETS THE REQUIREMENTS OF QQ-A-250/12F. PRODUCED AND MARKED TO THE REQUIREMENTS OF QQ-A-250/12 F ALSO MEETS THE REQUIREMENTS OF AMS-QQ-A-250/12.

CQR: 0210606.10 -Specification Limits -

Tmpr Dir KSI KSI PCT T651 Long Transv. Max Min 77.0 67.0 6

From: ThyssenKrupp Materials NA

Cust. THYSSENKRUPP MATERIALS NA - ECAD Del: 2402202011

т С

Wgt:

63.000 LB

Part:

O: PEC# 244320

Date

12/11/2012



CERTIFIED INSPECTION REPORT

Alcoa Inc.

1427376 Ship Date 2012-09-06

B.L. No. 7329333

Invoice No.

DAVENPORT WORKS 4879 State Street Bettendorf, IA 52722

Ship From:

RIVERDALE, IA.

Alcoa No. Item

DP-08477-4

1000408477-4

Customer Alcoa Item G041094912R10

P.O. No./Govt Contract No. 5400151575 Ln#: 0040 C&B

Rod of Wooded

This test report shall not be reproduced except in full, without the written approval of the Quality Department. No alteration, addition or other change is authorized to be made to this certificate. The recording of tales, fictitious, or otherwise fraudulent statements or entries on this certificate by any recipient may be punished as a felony under applicable law.

Per:

We hereby centify that the material covered by this certificate has been inspected with, and has been found to meet the applicable requirements described therein, including any specifications forming a part of the description and that samples representative of the material met the composition limits and had the mechanical properties shown on the face of this sheet.

Rob Woodall
Director of Manufacturing Davenport Works

Terrence Thom Quality Assurance Manager

Page 2 of 2

Cast Number H9017044	Tmpr Dir	T651 Lon Cast Number	CQR: 0210606.10 -Specification Limits (cont.) Chemical Composition
			060 Co 75 034 Dir Lon 135
Chemi Actua	502 - Mechanical, Physical, Metallography, Quantometer Results No-> UTS TYS EL4D Dir Test KSI FCT Long Transv. 2 85.6 76.9 11.3	Chemical	Composition Composition 175 1034 - Mech Dir Long Transv. Long Transv. ber Chemical Actuals 1035 - Mech
cal - o ls	chanica N T	cal - 0	- Specification Ax Min - Mechanical, Tes Actuals - Mechanical, No-: Max Min Yes Tes Tes Actuals
ES SI	l, Phys	ES SI	ation Lir SI SI O.4 Cal, Phy: Test Test 2 OES SI O.5 Cal, Phys
FE 0.21	sical, j	85 FE 7	Other Cother Countries (cont.)
.5 CU 8 1.7	Metallo	.6 .6 .0U	CU MN 2.0 0. 1.2 0. Metallo S CU CU CU CU Metallo CU CU Metallo S CU Metallo
MN 0.02	graphy, TYS KSI 76.9	76.8 77 MN	MN NO 2.9 I MG 2.9 2.1 IYS KSI 76.6 76.6 76.6 76.6 76.6 MN 0.02 TYS
MG CI 2.5 0	Quanto	10 MG CI	CR ZN 0.28 6.1 0.18 5.1 0.18 5.1 Quantom PCT 11.4 11.5 0.11.5 0.11.5 Quantom E14D
.3 R ZN .19 5.	ometer 4D	.9 .2 R ZN	N TI N TI 1 0.20 .1 1 1 .20 .1 1 T T T T T T T T T T T T T T T T T T
TI 7 0.02	Result	TI	Other Each 0.05 Result:
Ņ :	U	3	Tother Total 0.15
	: 1	~^^	Aluminum
	: 	0A\$	12/12/13
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	 - - - -	-	
	: 1		

This material was melted in the United States or a Qualifying Country [REF DFARS 225.872.1(a)]; it was manufactured in the United States

From: ThyssenKrupp Materials NA

Cust. THYSSENKRUPP MATERIALS NA - ECAD Del: 2402202011

Wgt: Part:

63.000 LB

PO: Date 12/11/2012 PEC# 244320

CERTIFIED INSPECTION REPORT

Alcoa Inc.

DAVENPORT WORKS 4879 State Street Bettendorf, IA 52722

Ship From: RIVERDALE, IA.

Alcoa No. Item 1000420518-7

DP-20518-7

We hereby certify that the material covered by this certificate has been inspected with, and has been found to meet the applicable requirements described therein, including any specifications forming a part of the describtion and that samples applicable requirements described meet the composition limits and had the mechanical properties shown on the face of this sheet representative of the material meet the composition limits and had the mechanical properties shown on the face of this sheet.

This test proof shall not be reproduced except in full without the written approval of the Quality Department. No alteration.

This test report shall not be reproduced except in full, without the written approval of the Quality Department. No alteration, addition or other change it authorized to be made to this certificate. The recording of false, fictibus, or otherwise fraudulent per change is authorized to be made to this certificate. The recording of tales, fictibus, or otherwise fraudulent per changes on this certificate by any recipient may be punished as a felony under applicable law.

P.O. No./Govt Contract No.

5400155433 Ln#: 0070

G B 3

G041014515R08

Customer Alcoa Item

Invoice No

1447780 Ship Date 2012-10-25

B.L. No. 7456306

Rold Woodall

Rob Woodall

Director of Manufacturing Davenport Works

Terrence Thom Quality Assurance Manager

Page 1 of 2

Ship To: COPPER & BRASS SALES INC 1015 SAINT JEROME ST. MISHAWAKA 46544 IN

Item Description
6.03 IN TK (+.260 -0.00) X 60.5 IN W (+.500 6.03 IN TK (+.260 -0.00) X 60.5 IN W (+.500 6.00) X 144.5 IN IN (+.5 -0.0) (N) A/T 70757051 RECTANGULAR MILL FINISH, SAWED. EXC MRK, PROP, TK AMS-QQ-A250/12 IS 2007 EXC MRK, PROP, TK AMS4045 REV K EXC MRK, PROP,
TK ASTMB209 REV 10 ((MARKED)) KRAFT PAPER
INTERLEAVED MAX
GROSS SKID WGT: 6000 LB QUAN TOL +/-40 %
CQR 0164707 REV 07 CUST REQ 12-1017 *** W/E 12-10-20 ***

12/18

Inspector Clock Numbers

CQR: 0164707.7 -Specification Limits -----

Num

Package Ticket

Lot ----633884

Weight

Quantity

MOM

				- 1							
	T651	Impr		Lot:	Alloy		Chemi		T651	Impr	
1	Long	Dir		Lot: 633884	7075	-	cal Com		T651 Long Transv.	Dir	
	Long Transv.			- M			Chemical Composition		ransv.		
	•			echar		Max 0.40 0.50 2.0 0.30 2.9 0.28 6.1 0.20 0.05 0.15	Þ		ب ج		
	N	Test	No->	nical	n IM	Max			Max Min		
		st	\ -	Phy		0	S		59	KSI	UTS
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				esul		0.05	Each	Other Other			
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Aluminum REMAIN

From: ThyssenKrupp Materials NA

Cust. THYSSENKRUPP MATERIALS NA - ECAD Del: 2402202015

262.000 LB

Wgt:

Part:

PO: PEC# 244320

Date

12/12/2012

Johns. Frankolls

CERTIFIED INSPECTION REPORT We hereby certify that the material covered by this certificate has been inspected with, and has been found to meet the applicable requirements described therein, including any specifications forming a part of the description and that samples representative of the material met the composition limits and had the mechanical properties shown on the face of this sheet.

Alcoa Inc.

1447780 Ship Date

2012-10-25

7456306

B.L. No.

Invoice No.

DAVENPORT WORKS 4879 State Street Bettendorf, IA 52722

Ship From:

RIVERDALE, IA.

1000420518-7 Alcoa No. Item

DP-20518-7

Customer Alcoa Item G041014515R08

P.O. No./Govt Contract No. 5400155433 Ln#: 0070 C&B

Rod d. Wooded

Rob Woodall
Director of Manufacturing Davenport Works

Terrence Thom Quality Assurance Manager

This test report shall not be reproduced except in full, without the written approval of the Quality Department. No alteration, addition or other change is authorized to be made to this certificate. The recording of false, fictificus, or otherwise fraudulent statements or entries on this certificate by any recipient may be punished as a felony under applicable law.

Page 2 of 2

Chemical - OES - Mechanical, Physical, Metallograpy, Quantometer Results (cont.) SI FE CU MN MG CR ZN TI 0.07 0.29 1.6 0.02 2.5 0.19 5.6 0.02

Cast Number H9047031

Actuals

Lot:

633884

This material was melted in the United States or a Qualifying Country [REF DFARS 225.872.1(a)]; it was manufactured in the United States

14 12/18

From: ThyssenKrupp Materials NA

THYSSENKRUPP MATERIALS NA - ECAD Del: 2402202015

Cust.

Part:

262.000 LB

Wgt:

PO: Date 12/12/2012 PEC# 244320





CERTIFIED TEST REPORT

Constellium Rolled Products Ravenswood, LLC



COPPER & BRASS SALES 1015 SAINT JEROME STREET MISHAWAKA

IN

COPPER & BRASS SALES P.O. BOX 5116 SOUTHFIELD MΙ

48086

20120730B33204

CERTIFICATION

PAGE

"Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination."

Constellium Rolled Products Ravenswood, LLC Rt 2 South, Century Road P.O. BOX 68 RAVENSWOOD, WV 26164 USA

COLLEK®RE		33204 4	075	TW	CTORION	PERI	AL #
CUSTOMER PURCHASE	ORDER I	NO. & ITEM			Constellium ORDE	R NO.	
540014100	9				110-512	2567	
ALLOY	CLAD.	TEMPER	GAUG	3E	WIDTH	LENGT	H
7075	00	T651	2.0	3000	60.500	144.	500
ITEM ORDERED							
MOLD PLAT	E-DI	ST GE					
SPEC PLAT	re, s	SAWED	MILL		1 1		
CUSTOMER SPECIFICA	TION				:		
AMS-QQ-A-	-250/	12					
PART NUMBER			B/L NUMBER			DATE SHIP	1
ALFLR0099	99		:]	B332	00	07/31/	12
WEIGHT SHIPPED	NO.	OF PIECES	GOVT. C	ONTRAC	T NO.		
7,52	20		4		4		

LOT	TEST	NO. OF	ULTIMATE	STRENG	TH K.S.I.		YIELD	STRE	NGT	H K.S.I.		ELONGA	rion %					CS
NUMBER	DIRECTION	TESTS	MIN.		MAX.		MIN.		1	MAX.		MIN.	M	AX.	Μ.	LN	MAX	
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ALLOY	SILICON		IRON	COPI		MANGA			-		CHROM		ZINC		TITAN		OTH	
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P-860-155D (06/11)

From: ThyssenKrupp Materials NA

2402202018 - ECAD Cust. THYSSENKRUPP MATERIALS NA Del:

Part:

PO:

PEC# 244320

Wgt: 641.000 LB

12/11/2012 Date

John Bambets.





CERTIFIED TEST REPORT

Constellium Rolled Products Ravenswood, LLC

COPPER & BRASS SALES 1015 SAINT JEROME STREET MISHAWAKA IN

COPPER & BRASS SALES P.O. BOX 5116 SOUTHFIELD

MI

48086

COPPER&BR

B33204 4075

INCLUSION

CERTIFICATION

PAGE

2 OF

"Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination."

Constellium Rolled Products Ravenswood, LLC
Rt 2 South, Century Road
P.O. BOX 68
RAVENSWOOD, WV 26164 USA

SERIAL#: 20120730B33204 CUSTOMER PURCHASE ORDER NO. & ITEM Constellium ORDER NO. 5400141009 110-512567 ALLOY TEMPER CLAD. GAUGE WIDTH 7075 00 T651 2.03000 144.500 60.500 ITEM ORDERED MOLD PLATE-DIST GE SPEC PLATE, SAWED MILL CUSTOMER SPECIFICATION AMS-QQ-A-250/12PART NUMBER B/L NUMBER DATE SHIPPE ALFLR00999 07/31/12 B33200 WEIGHT SHIPPED NO. OF PIECES GOVT, CONTRACT NO. 7,520

LOT	TEST	NO. OF	ULTIMATE	STRENGTH K.	S.I.	YIELI	STRENG	TH K.S.I.		ELC	NGATION	I %	7	COND	% I.	ACS
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276151	CR=	0.20	FE	ACTUAL = 0.13 = 5.60	(CU= 1.	45	MN Z F	1= 0. 1= 0.		1	5= 2.				
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C ALLOY E SEE AC		CHEMI	N MAX.	MPOSIT:		MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	EACH MAX.	MAX.
COMP																

From: ThyssenKrupp Materials NA

Cust. THYSSENKRUPP MATERIALS NA - ECAD

Del: 2402202018

Part:

Wqt: 641.000 LB PO: PEC# 244320

12/11/2012 Date

John Bunboth





CERTIFIED TEST REPORT

Constellium Rolled Products Ravenswood, LLC

COPPER & BRASS SALES 1015 SAINT JEROME STREET MISHAWAKA IN

COPPER & BRASS SALES P.O. BOX 5116 MΙ

SOUTHFIELD

48086

COPPER&BR

B33204 4075

INCLUSION

SERIAL#: 20120730B33204

CERTIFICATION "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are

PAGE

3 OF

on file, subject to examination."

Constellium Rolled Products Ravenswood, LLC Rt 2 South, Century Road P.O. BOX 68 RAVENSWOOD, WV 26164 USA

Felte

CUSTOMER PURCHASE ORDER NO. & ITEM Constellium ORDER NO. 5400141009 110-512567 ALLOY TEMPER GAUGE WIDTH 7075 144.5b0 00 T651 2.03000 60.500 TEM ORDERED MOLD PLATE-DIST GE SPEC PLATE, SAWED MILL CUSTOMER SPECIFICATION AMS-QQ-A-250/12 PART NUMBER B/L NUMBER DATE SHIPPED ALFLR00999 07/31/12 B33200 WEIGHT-SHIPPED NO. OF PIECES GOVT. CONTRACT NO. 7,520

LOT NUMBER	TEST	NO. OF	10.704475					1								
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			СНЕ	MIST	'RY E	SY C	DES: A	ARK	SP	ARK						
CHEMI	STRIES	REPO	RTED I	N PE	RCEN	TAC	SE BY	WE	IG	HT.						
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			:													
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P-860-155D (06/11)

From: ThyssenKrupp Materials NA

Cust. THYSSENKRUPP MATERIALS NA - ECAD

Del: 2402202018

Part:

Wgt: 641.000 LB \

PO: PEC# 244320

12/11/2012

John Bunboth



Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7

Tel: 613 632 9577 Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO18600

Purchase Order Date 12/06/12 PO Print Date 12/06/12

Page Number 1 of 3

Order From:

VC-COP001

THYSSENKRUPP MATERIALS CA LTD O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A" TORONTO, ON M5W 5V8

CA

Contact Name

Vendor Phone

905 669 9444

Vendor Fax

905 738 9033

Vendor Account Nbr

Buyer

Chantal Lavoie

Net 30

Requisition Nbr

Tax Resale Nbr

Terms

Currency **FOB**

CAD

10127-2607

Destination-Collect

Ship To:

DART AEROSPACE LTD

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

CANADA

Line Nbr Reference **Revision ID**

Vendor Part Number

Description/ Mfg ID

7075 T6 BAR 1.500 >

Req Date/

Req Qty/ Taxable Unit of Measure

Ship Method

Unit Price

Extended Price

M7075T6B1.500X1.500

1.500

12/17/12

Yes

Yours ppd 12.00

\$18.7500

\$225.00

008

Special Inst:

MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR

AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR

PER AMS-QQ-A-200/11 OR QQ-A-250/12

CUT FROM PLATE

M7075T6B1.500X8.500

7075-T6 BAR 1.500 >

8.500"

12/17/12

12.04

Yours ppd

\$76.9103

\$926.00

Yes

Special Inst:

MATERIAL: 7075-T6 OR

T651/T6510/T6511/T62 ALUMINUM BAR AS PER AMS-QQ-A-225/9 OR AMS

4122/4123/4186/4187 OR

PER AMS-QQ-A-200/11 OR QQ-A-250/12

CUT FROM PLATE

PO Instructions:

PLEASE NOTE RECEIVING DEPARTM TILL BE CLOSE 13 AND 14 OF

DECEMBER

No substitution or deviation without

consent.

Certificate of Conformity or Material Certification required -YES

Change Nbr:

bange Date:

12/06/12

NO



Change Nbr:

1

Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7

Tel: 613 632 9577 Fax: 613 632 1053

PURCHASE ORDER

consent.

Certificate of Conformity or Material

NO

Certification required YES

Purchase Order ID PO18600

Purchase Order Date 12/06/12 PO Print Date 12/06/12

Page Number 2 of 3

Order From: VC-COP001 THYSSENKRUPP MATERIALS CA LTD O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A" TORONTO, ON M5W 5V8 CA Chantal Lavoie Contact Name Buver Requisition Nbr Vendor Phone 905 669 9444 10127-2607 Tax Resale Nbr Vendor Fax 905 738 9033 Net 30 Terms Vendor Account Nbr Currency ĊAD FOB Destination-Collect 7075-T6 BAR 1.750" X Yours ppd \$49.1694 \$592.00 M7075T6B1.750X04.500 12/17/12 4.500" Yes MATERIAL: 7075-T6 OR Special Inst: T651/T6510/T6\$11/T62 ALUMINUM BAR AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE \$1,298.00 12/17/12 \$107.8073 M7075T6B3.000X7.500 7075-T6 BAR 3.000' X __ 12.04 Yours ppd 7.500" f 2.75 Yes Special Inst: MATERIAL: 7075-T6 OR T651/T6510/T6\$11/T62 ALUMINUM BAR AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE M7075T6B4.000X4.500 7075-T6 BAR 4.000° X 12/17/12 Yours ppd \$116.5000 \$932.00 4.500" Yes / -14/2-/17 Special Inst: MATERIAL: 7075-T6 OR T651/T6510/T6\$11/T62 ALUMINUM BAR AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE PLEASE NOTE RECEIVING DEPARTMENT WILL BE CLOSE 13 AND 14 OF No substitution or deviation without PO Instructions: DECEMBER

12/06/12

Change Date:



Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7

Tel: 613 632 9577 Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO18600

Purchase Order Date 12/06/12 PO Print Date 12/06/12

Page Number 3 of 3

Order From: VC-COP001 THYSSENKRUPP MATERIALS CA LTD O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A" TORONTO, ON M5W 5V8 CA Chantal Lavoie **Contact Name** Buyer Vendor Phone 905 669 9444 Requisition Nbr 10127-2607 Vendor Fax 905 738 9033 Tax Resale Nbr Net 30 Terms Vendor Account Nbr Currency CAD **FOB** Destination-Collect 7075-T6 BAR 6.000" X 12/17/12 Yours ppd \$41.5000 \$332.00 M7075T6B6.000X1.000 1.000" Yes f MATERIAL: 7075-T6 OR Special Inst: T651/T6510/T6511/T62 ALUMINUM BAR AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE M7075T6B6.000X6.000 7075-T6 BAR 6.000' N 12/17/12 6.00 Yours ppd \$197.3333 \$1,184.00 6.000" Yes f MATERIAL: 7075-T6 OR Special Inst: T651/T6510/T6511/T62 ALUMINUM BAR AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE 36.12 Yours ppd M7075T6B7.000X2.000 7075-T6 BAR 7.000" X 12/17/12 \$77.4086 \$2,796.00 2.000" f Yes 6 14 w/19 Special Inst: MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR AS PER AMS-OO-A-225/9 OR AMS 4122/4123/4186/4187 OR PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE PO Total: \$8,285.00

PLEASE NOTE RECEIVING DEPARTMEN 1 WILL BE CLOSE 13 AND 14 OF PO Instructions: DECEMBER

No substitution or deviation without consent.

Certificate of Conformity or Material Certification required /YES NO

Change Nbr:

1

Change Date:

12/06/12